

# Collaborative Adaptive Management Team (CAMT)

- CAMT Co-chairs:
  - Leo Winternitz, The Nature Conservancy
  - Valerie Connor, State and Federal Contractors Water Agency
- Delta Conservancy Board Meeting      January 22, 2014

# CSAMP and CAMT

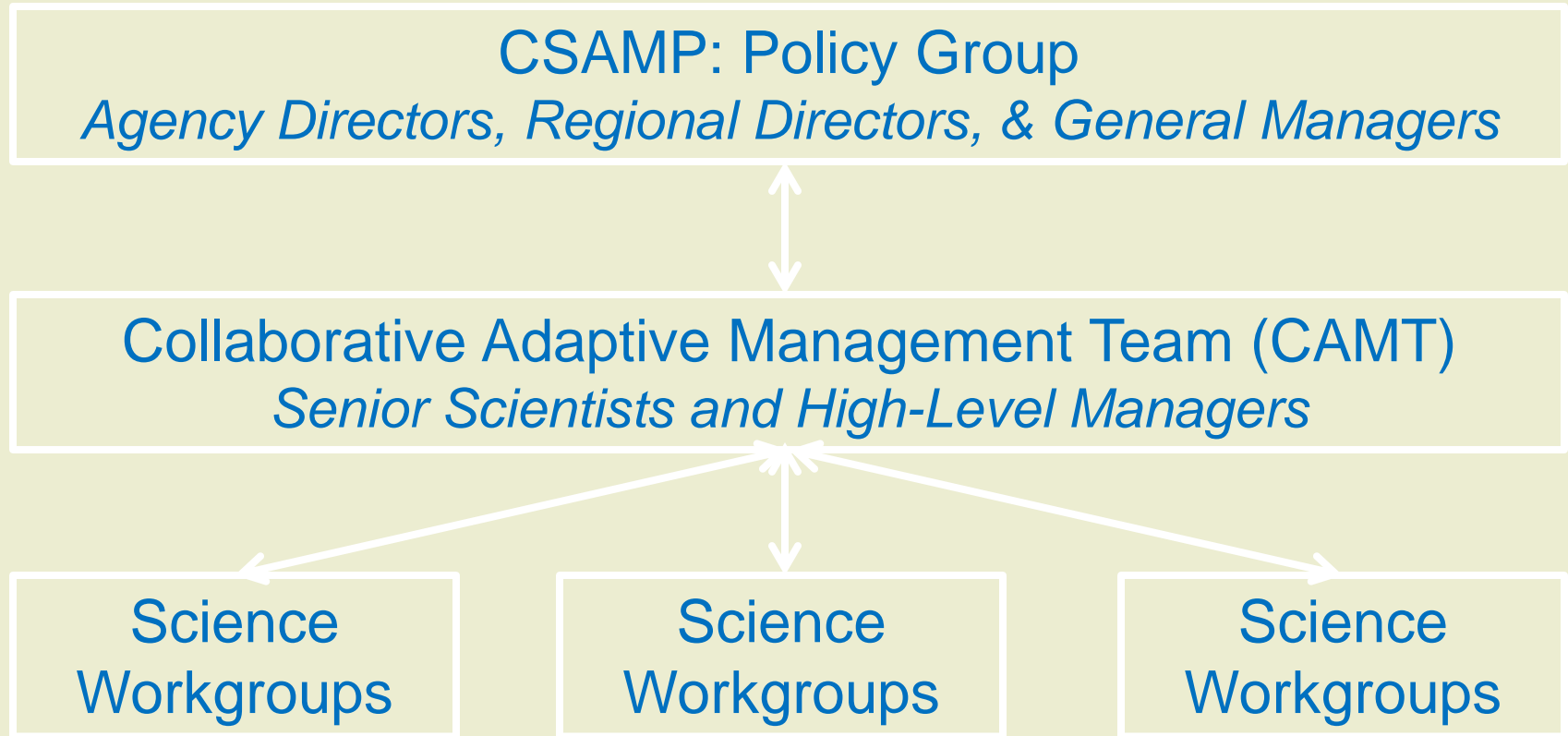
- Collaborative Science and Adaptive Management Program (CSAMP)
- Collaborative Adaptive Management Team (CAMT)
- Mission: The Collaborative Adaptive Management Team (CAMT) will work, with a sense of urgency, to develop a robust science and adaptive management program that will inform both the implementation of the current Biological Opinions, including interim\* operations; and the development of revised Biological Opinions.
- \*The term “interim” refers to the period during which revised Biological Opinions are being developed.

# Court Order (Doc. 1106)

## Section II.B.1.a. **General Description of the CSAMP Process.**

. . . The stated goal of the CSAMP is to “develop a robust science and adaptive management program, with collaboration of the scientists and experts from Public Water Agencies (PWAs) and the NGO community, that will inform the development and implementation of the BiOps, [the Bay Delta Conservation Program (“BDCP”)], and other programs.”

# CSAMP Process



# CSAMP Policy Group

- Jim Beck (KCWA)
- Thomas Birmingham (Westlands)
- Chuck Bonham (CDFW)
- Mark Cowin (DWR)
- Zeke Grader (GGSA)
- Ren Lohofener (FWS)
- Jeffrey Kightlinger (MWD)
- David Murillo (USBR)
- Dick Pool (Water4Fish)
- Kate Poole (NRDC)
- Will Stelle (NOAA)
- Bill Phillimore (Coalition for a Sustainable Delta)
- Jay Ziegler (TNC)
- CAMT co-chairs to provide policy-science interface

# CAMT Members

- Gary Bobker, (Bay Institute)
- Frances Brewster (SCVWD)
- Mike Chotkowski (FWS)
- Valerie Connor (SFCWA and Co-Chair)
- Susan Fry (USBR)
- Lauren Hastings (Delta Science Program)
- Steve Lindley (NOAA)
- Laura King Moon (DWR)
- Ron Milligan (USBR)
- Anke Mueller-Solger (IEP)
- Maria Rea (NOAA)
- Carl Wilcox (CDFW)
- Leo Winternitz (TNC and Co-Chair)

# Proposed Phases

Table 2-1: CSAMP Phases

| Phase   | Duration                            | Milestones                              |   |
|---|-------------------------------------|---|---|
|   |                                     | Start                                   | Finish  |
| 1. Initial Extension                                  | 9 Months                            | Court Order (4/9/13)                    | Joint Status Report Submittal (2/15/2014)                               |
| 2. Interim Operations and Completion of Revised BiOps | 2 years (Smelt)<br>5 years (salmon) | Court decision(s) on further extensions | Completion of revised <u>BiOps</u>                                      |
| 3. Operations according to revised <u>BiOps</u>       | Long-Term                           | Acceptance of Revised <u>BiOps</u>      | On-going, with collaborative science and adaptive management milestones |

# CSAMP/CAMT Initial Schedule

- Define mission and operating process Fall 2013
- Define CSAMP priorities Fall 2013
- Review conceptual models Fall 2013
- Develop key questions/hypotheses Fall 2013
- Develop CSAMP work plans for 2014-2016 Dec. 2013
- Prepare Progress Report February 2014
- Submit Joint Status Report to Court February 15, 2014



# Progress to Date

- 4 areas of focus; 3 initial areas
  - Fall Outflow for Delta Smelt
  - OMR Management and Entrainment
  - South Delta Salmonid Survival
- (Ecosystem Restoration Effectiveness)
- Identified conceptual models
- Identified key questions and hypotheses
- Beginning to develop 2014 Workplans

# Questions?

All CAMT agendas and minutes posted at [SFCWA.org](http://SFCWA.org)

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